* *TENT COOPERATION TRE Y

| From | the | INTER | RNAT | IONAL | BUREA | u |
|------|------|---------|------|--------|--------------|---|
| | LITE | *** * * | 1117 | IVITAL | DUILE | u |

PCT

NOTIFICATION OF ELECTION

(PCT Rule 61.2)

| | \sim | • | |
|---|--------|---|--|
| ۰ | • | | |
| | | | |

Commissioner **US Department of Commerce** United States Patent and Trademark Office, PCT 2011 South Clark Place Room CP2/5C24 Arlington, VA 22202

| Date of mailing (day/month/year) 17 July 2001 (17.07.01) | ETATS-UNIS D'AMERIQUE in its capacity as elected Office | |
|---|---|--|
| International application No. | Applicant's or agent's file reference | |
| PCT/US00/26797 | 117-321 | |
| International filing date (day/month/year) | Priority date (day/month/year) | |

29 September 2000 (29.09.00) 01 October 1999 (01.10.99) **Applicant**

TAN, Yin, Hwee et al

| 1. | The designated Office is hereby notified of its election made: |
|----|---|
| | X in the demand filed with the International Preliminary Examining Authority on: |
| | 12 April 2001 (12.04.01) |
| | in a notice effecting later election filed with the International Bureau on: |
| | |
| 2. | The election X was |
| | was not |
| | made before the expiration of 19 months from the priority date or, where Rule 32 applies, within the time limit under Rule 32.2(b). |
| | |
| | |
| | |
| | |
| | |
| | |

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland

Authorized officer

H. Zhou

Telephone No.: (41-22) 338.83.38

Facsimile No.: (41-22) 740.14.35

**TENT COOPERATION TRE. * /

From the INTERNATIONAL BUREAU

| PCT | То: |
|--|--|
| (PCT Rule 61.2) | Commissioner US Department of Commerce United States Patent and Trademark Office, PCT 2011 South Clark Place Room CP2/5C24 Arlington, VA 22202 ETATS-UNIS D'AMERIQUE |
| 29 August 2001 (29.08.01) | in its capacity as elected Office |
| International application No. PCT/US00/26797 | Applicant's or agent's file reference 117-321 |
| International filing date (day/month/year) 29 September 2000 (29.09.00) | Priority date (day/month/year) 01 October 1999 (01.10.99) |
| Applicant TAN, Yin, Hwee et al | |
| 1. The designated Office is hereby notified of its election made X in the demand filed with the International Preliminary 12 April 2001 (1) in a notice effecting later election filed with the International Preliminary 2. The election X was was not made before the expiration of 19 months from the priority da Rule 32.2(b). | Examining Authority on: 12.04.01) ational Bureau on: |
| | |

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland

Authorized officer

Farid ABBOU

Facsimile No.: (41-22) 740.14.35 Telephone No.: (41-22) 338.83.38

PATENT COOPERATION TREATY



1 HEC'D 2 7 FEB 2002

WIPO

POT INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

| Applicant's | or ag | ent's file reference | T | | Con Notific | | • -• |
|-----------------------|-------------|--|------------------------------|--------------|------------------|--|--|
| N.77877 | • | | FOR FURTHER A | CTION | | ation of Transmittal of Internati Examination Report (Form Po | |
| Internation | al app | lication No. | International filing date | (day/month | /year) | Priority date (day/month/yea | ar) |
| PCT/US | 00/26 | 8797 | 29/09/2000 | | | 01/10/1999 | |
| Internation A61K31 | | ent Classification (IPC) or na | tional classification and IP | Ċ | | | |
| '' | TE C | OF MOLECULAR AND | CELL BIOLOGY et a | ıl. | | | |
| | | ational preliminary exami smitted to the applicant a | | prepared | by this Inte | rnational Preliminary Exan | nining Authority |
| 2. This | REPO | ORT consists of a total of | 6 sheets, including thi | s cover sh | neet. | | |
| l t | een a | | is for this report and/or | sheets co | ontaining red | n, claims and/or drawings w ctifications made before thi e PCT). | |
| Thes | e ann | exes consist of a total of | sheets. | | | | |
| 3. This i | eport | contains indications relat | ing to the following iter | ms: | | | |
| ı | \boxtimes | Basis of the report | | | | | |
| II | | Priority | | | | | |
| III | × | | _ | ovelty, inve | entive step a | and industrial applicability | |
| IV | 57 | | | | | | |
| V | × | Reasoned statement un citations and explanation | | | ovelty, inve | ntive step or industrial app | licability; |
| VI | | Certain documents cite | · - | | | | |
| VII | _ | Certain defects in the in | | | | | |
| VIII | | Certain observations on | the international applic | cation | - | | |
| | | | | | | | |
| Date of sub | missio | n of the demand | | Date of co | ompletion of the | his report | |
| 12/04/20 | 01 | | | 25.02.200 | 02 | | |
| | | address of the international ning authority: | | Authorize | d officer | | SECTIONES MIENTES |
| <u>)</u> | D-80 Tel | pean Patent Office 298 Munich +49 89 2399 - 0 Tx: 523656 +49 89 2399 - 4465 | epmu d | Kling, I | | | The state of the s |
| | ı ax. | +45 05 2555 - 44 05 | | Telephon | e No. +49 89 : | 2399 8471 | |



| l. Bas | is o | f the. | rep | rt |
|--------|------|--------|-----|----|
|--------|------|--------|-----|----|

| With regard to the elements of the international application (Replacement sheets which have been furnis the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17)): Description, pages: | | | | | |
|--|-----|---|--|--|--|
| | 1-3 | 38 | as originally filed | | |
| | | | | | |
| | Cla | aims, No.: | | | |
| | 1-3 | 34 | as originally filed | | |
| | | | | | |
| 2. | | | puage, all the elements marked above were available or furnished to this Authority in the international application was filed, unless otherwise indicated under this item. | | |
| | The | ese elements were a | available or furnished to this Authority in the following language: , which is: | | |
| | | the language of a | translation furnished for the purposes of the international search (under Rule 23.1(b)). | | |
| | | the language of pu | blication of the international application (under Rule 48.3(b)). | | |
| | | the language of a f 55.2 and/or 55.3). | translation furnished for the purposes of international preliminary examination (under Rule | | |
| 3. | | | leotide and/or amino acid sequence disclosed in the international application, the yexamination was carried out on the basis of the sequence listing: | | |
| | | contained in the in | ternational application in written form. | | |
| | | filed together with | the international application in computer readable form. | | |
| | | furnished subsequ | ently to this Authority in written form. | | |
| | | furnished subsequ | ently to this Authority in computer readable form. | | |
| | | | the subsequently furnished written sequence listing does not go beyond the disclosure in oplication as filed has been furnished. | | |
| | | The statement that listing has been full | the information recorded in computer readable form is identical to the written sequence mished. | | |
| 4. | The | amendments have | resulted in the cancellation of: | | |
| | | the description, | pages: | | |
| | | the claims, | Nos.: | | |
| | | the drawings, | sheets: | | |
| 5. | | | en established as if (some of) the amendments had not been made, since they have been eyond the disclosure as filed (Rule 70.2(c)): | | |



(Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.)

| 6. | Add | ditional observations, if n | ecessa | ry: | |
|------|---|---|-------------|------------------|--|
| III. | No | n-establishment of opi | nion wi | th regard | rd to novelty, inventive step and industrial applicability |
| 1. | The questions whether the claimed invention appears to be novel, to involve an inventive step (to be non-obvious), or to be industrially applicable have not been examined in respect of: | | | | |
| | | the entire international | | ion. | |
| | × | claims Nos. 1,15-25,29 | -34. | | |
| be | caus | se: | | | |
| | | the said international ap not require an internation | | | e said claims Nos. relate to the following subject matter which does examination (<i>specify</i>): |
| | | the description, claims of that no meaningful opin | | | dicate particular elements below) or said claims Nos. are so unclear med (specify): |
| | | the claims, or said claim could be formed. | ıs Nos. | are so ir | inadequately supported by the description that no meaningful opinion |
| | × | no international search | report h | as been | n established for the said claims Nos. 1,15-25,29-34. |
| | and | | | | nination cannot be carried out due to the failure of the nucleotide ly with the standard provided for in Annex C of the Administrative |
| | | the written form has not | been fu | ırnished (| or does not comply with the standard. |
| | | the computer readable f | orm ha | s not bee | en furnished or does not comply with the standard. |
| | | soned statement under tions and explanations | | | with regard to novelty, inventive step or industrial applicability; such statement |
| 1. | . Statement | | | | |
| | Nov | elty (N) | Yes: No: | Claims Claims | <i>,</i> |
| | Inve | ntive step (IS) | Yes: No: | Claims Claims | · |
| • | Indu | strial applicability (IA) | Yes: | Claims | 2-14 26-28 |

International application No. PCT/US00/26797

2. Citations and explanations see separate sheet

R Item III

Non-establishment of opinion with regard to novelty, inventive step and industrial applicability

The claims relating to inventions in respect of which no international search report has been established need not to be the subject of an international preliminary examination. The Applicant is advised that the EPO policy when acting as an International Preliminary Authority is normally not to carry out a preliminary examination on matter which has not been searched.

Re Item V

Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

Claims 2 to 14 and 26 to 28 are concerned with the use of an inhibitor of dihydroorotate dehydrogenase of formula (I), (Ia) (II), (IIb), (I'), (III), (IV), (V), (VI), (VII) or (VIII) in the manufacture of a medicament for use in the treatment of an infection attributable to a virus of Flaviridae, Rhabdoviridae or Paramyxoviridae family and with a compound of formula (IIa) (claims 26 and 27) and a process for the manufacture of a compound of formula (IIa) (claim 28).

The documents cited in the International Search Report are:

- D1: US-A-4 680 299 (HESSON DAVID P) 14 July 1987 (1987-07-14) cited in the application
- D2: EP-A-0 601 191 (KYOWA HAKKO KOGYO KK) 15 June 1994 (1994-06-15)
- D3: PATENT ABSTRACTS OF JAPAN vol. 1998, no. 14, 31 December 1998 (1998-12-31) & JP 10 231289 A (KYOWA HAKKO KOGYO CO LTD), 2 September 1998 (1998-09-02) cited in the application
- D4: EP-A-0 721 942 (KYOWA HAKKO KOGYO KK) 17 July 1996 (1996-07-17)

D1 and D3 disclose compounds of Formula (I) and their use as tumour inhibiting agents or as immunosuppressant.

D2 and D4 disclose tetracyclic compounds close to the compounds of Formula (II) useful as immuno-suppressant.

INTERNATIONAL PRESIMINARY **EXAMINATION REPORT - SEPARATE SHEET**

International application No. PCT/US00/26797

The present application satisfies the criteria set forth in Articles 33(2) and 33(3) PCT because the subject-matter of Claims 2 to 14 and of claims 26 to 28 is new with respect of prior art as defined in the regulations (Rule 64(1)-(3) PCT) and involves an inventive step (Rule 65(1)(2) PCT).

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date 12 April 2001 (12.04.2001)

PCT

(10) International Publication Number WO 01/24785 A2

- (51) International Patent Classification⁷: A61K 31/00, 31/47, 31/4709, 31/497, 31/473, 31/4184, 31/122, 31/196, C07D 215/52, A61P 31/14, A61K 38/21, 31/711, 31/343, 31/437 // (A61K 38/21, 31:00) (A61K 31/437, 31:00) (A61K 31/343, 31:00)
- (21) International Application Number: PCT/US00/26797
- (22) International Filing Date:

29 September 2000 (29.09.2000)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

60/157,017

1 October 1999 (01.10.1999) US

- (71) Applicant (for all designated States except US): INSTITUTE OF MOLECULAR AND CELL BIOLOGY [SG/SG]; 30 Medical Drive, Singapore 117609 (SG).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): TAN, Yin, Hwee [CA/SG]; 30 Medical Drive, Singapore 117609 (SG). DRISCOLL, John, Stanford [US/US]; 4 Infield Court South, Rockville, MD 20854 (US). MUI MUI, Sim [SG/SG]; 30 Medical Drive, Singapore 117609 (SG).

- (74) Agent: WILSON, Mary, J.; Nixon & Vanderhye PC, Suite 800, 1100 North Glebe Road, Arlington, VA 22201-4714 (US).
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, MIL, MR, NE, SN, TD, TG).

Published:

 Without international search report and to be republished upon receipt of that report.

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

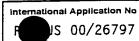
PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

| Applicant's or agent's file reference | FOR FURTHER see Notification of (Form PCT/ISA/2) | of Transmittal of International Search Report 220) as well as, where applicable, item 5 below. | | | | | |
|--|---|---|--|--|--|--|--|
| International application No. | International filing date (day/month/year) | (Earliest) Priority Date (day/month/year) | | | | | |
| PCT/US 00/26797 | 29/09/2000 | 01/10/1999 | | | | | |
| Applicant | Applicant . | | | | | | |
| INSTITUTE OF MOLECULAR AN | O CELL BIOLOGY et al. | | | | | | |
| This International Search Report has been according to Article 18. A copy is being tra | n prepared by this International Searching Auth Insmitted to the International Bureau. | hority and is transmitted to the applicant | | | | | |
| This International Search Report consists It is also accompanied by | of a total of sheets. a copy of each prior art document cited in this | report. | | | | | |
| Basis of the report | | | | | | | |
| With regard to the language, the language in which it was filed, unli | nternational search was carried out on the basess otherwise indicated under this item. | sis of the international application in the | | | | | |
| the international search was Authority (Rule 23.1(b)). | as carried out on the basis of a translation of the | he international application furnished to this | | | | | |
| was carried out on the basis of the | b. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international search was carried out on the basis of the sequence listing: contained in the international application in written form. | | | | | | |
| l = | national application in computer readable form | n. | | | | | |
| furnished subsequently to | furnished subsequently to this Authority in written form. | | | | | | |
| furnished subsequently to | this Authority in computer readble form. | | | | | | |
| the statement that the sub international application as | sequently furnished written sequence listing di s filed has been furnished. | oes not go beyond the disclosure in the | | | | | |
| the statement that the info furnished | rmation recorded in computer readable form is | s identical to the written sequence listing has been | | | | | |
| 2. X. Certain claims were four | nd unsearchable (See Box I). | | | | | | |
| 3. Unity of invention is lack | ing (see Box II). | | | | | | |
| 4. With regard to the title, | | | | | | | |
| the text is approved as sub | omitted by the applicant. | | | | | | |
| · | ned by this Authority to read as follows: | | | | | | |
| DIHYDROOROTATE DEHYDRO DISEASES | GENASE INHIBITORS FOR THE T | REATMENT OF VIRAL-MEDIATED | | | | | |
| 5. With regard to the abstract, | | | | | | | |
| X , the text is approved as sut | | | | | | | |
| the text has been establish within one month from the | ed, according to Rule 38.2(b), by this Authorit date of mailing of this international search rep | ty as it appears in Box III. The applicant may, ort, submit comments to this Authority. | | | | | |
| 6. The figure of the drawings to be public | shed with the abstract is Figure No. | | | | | | |
| as suggested by the applic | | X None of the figures. | | | | | |
| because the applicant faile | | | | | | | |
| because this figure better of | characterizes the invention. | | | | | | |

INTERNATIONAL SEARCH REPORT



A. SSIFICATION OF SUBJECT MATTER
IPC 7 A61K31/00 A61K31/47 A61K31/4709 A61K31/497 A61K31/473
A61K31/4184 A61K31/122 A61K31/196 C07D215/52 A61P31/14
A61K38/21 A61K31/711 A61K31/343 A61K31/437 //(A61K38/21,

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) IPC 7-A61K-A61P

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, MEDLINE, CHEM ABS Data, EMBASE, BIOSIS

| Other than the state of the sta | |
|--|--|
| Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
| US 4 680 299 A (HESSON DAVID P) 14 July 1987 (1987-07-14) cited in the application examples 28,197,198; tables 1,6 | 2-14, 26-28 |
| EP 0 601 191 A (KYOWA HAKKO KOGYO KK) 15 June 1994 (1994-06-15) page 3, line 8-30 page 12, line 40-55; claims 1-3 | 2-14, 26-28 |
| PATENT ABSTRACTS OF JAPAN vol. 1998, no. 14, 31 December 1998 (1998-12-31) & JP 10 231289 A (KYOWA HAKKO KOGYO CO LTD), 2 September 1998 (1998-09-02) cited in the application abstract | 2-14, 26-28 |
| | 14 July 1987 (1987-07-14) cited in the application examples 28,197,198; tables 1,6 EP 0 601 191 A (KYOWA HAKKO KOGYO KK) 15 June 1994 (1994-06-15) page 3, line 8-30 page 12, line 40-55; claims 1-3 PATENT ABSTRACTS OF JAPAN vol. 1998, no. 14, 31 December 1998 (1998-12-31) & JP 10 231289 A (KYOWA HAKKO KOGYO CO LTD), 2 September 1998 (1998-09-02) cited in the application abstract |

| | -/ |
|--|---|
| Further documents are listed in the continuation of box C. | Patent family members are listed in annex. |
| A' document defining the general state of the art which is not considered to be of particular relevance E' earlier document but published on or after the international filing date L' document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) O' document referring to an oral disclosure, use, exhibition or other means P' document published prior to the international filing date but later than the priority date claimed | 'T' later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention 'X' document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone 'Y' document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. '3' document member of the same patent family |
| Date of the actual completion of the international search | Date of mailing of the international search report |
| 14 December 2001 | 02/01/2002 |
| Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel 431 701 240 240 Tx 31 651 epp pl | Authorized officer |
| Tel. (+31-70) 340-2040. Tx. 31 651 epo nl. Fax: (+31-70) 340-3016 | Kling, I |

INTERNATIONAL SEARCH REPORT

| l | International | Application No |
|---|---------------|----------------|
| l | us | 00/26797 |

| IPC 7 | 31:00), (A61K31/711,31:00), (A61K3 | 1/437,31:00),(A61K31/34 | 3,31:00) |
|--|--|--|---|
| According | to International Patent Classification (IPC) or to both national classi | ification and IPC | |
| | S SEARCHED | | |
| Minimum o | documentation searched (classification system followed by classific | ation symbols) | |
| Documenta | ation searched other than minimum documentation to the extent tha | it such documents are included in the fields s | searched |
| Electronic | data base consulted during the international search (name of data | base and, where practical, search terms used | d) |
| | | | |
| C DOCUM | ENTS CONSIDERED TO BE RELEVANT | | |
| Category ° | Citation of document, with indication, where appropriate, of the | relevant passages | Relevant to claim No. |
| ou.cgury | Glidator of good light, which can be appropriate to the | | |
| A | EP 0 721 942 A (KYOWA HAKKO KOG) 17 July 1996 (1996-07-17) claims 1-5; examples 11-46 | (O KK) | 2-14, 26-28 |
| | | | |
| Funt | ner documents are listed in the continuation of box C. | Y Patent family members are listed | in annex. |
| 'A' docume consid 'E' earlier of filing d 'L' docume which i citation 'O' docume other n 'P' docume later th | nt which may throw doubts on priority claim(s) or is cited to establish the publication date of another n or other special reason (as specified) ent reterring to an oral disclosure, use, exhibition or | 'T' later document published after the interest or priority date and not in conflict with cited to understand the principle or the invention 'X' document of particular relevance: the cit cannot be considered novel or cannot involve an inventive step when the doc 'Y' document of particular relevance; the cit cannot be considered to involve an inventive step with one or more ments, such combined with one or more ments, such combination being obvious in the art. '&' document member of the same patent for the international search | the application but cory underlying the aimed invention be considered to current is taken alone aimed invention entive step when the re other such docu-s to a person skilled |
| Name and m | nailing address of the ISA | Authorized officer | |
| | European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016 | Kling, I | |

2

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box I.2

Claims Nos.: 1, 15-25, 29-34

Present claims 1, 15-25, 29 -34 relate to a use and respectively to a product and to a method defined by reference to a desirable characteristic or property, namely to an "inhibitor of dihydroorotate dehydrogenase"

The claims cover all uses, products, methods having this characteristic or property, whereas the application provides support within the meaning of Article 6 PCT and/or disclosure within the meaning of Article 5 PCT for only a very limited number of such compounds. In the present case, the claims so lack support, and the application so lacks disclosure, that a meaningful search over the whole of the claimed scope is impossible. Independent of the above reasoning, the claims also lack clarity (Article 6 PCT). An attempt is made to define the use, product and method by reference to a result to be achieved. Again, this lack of clarity in the present case is such as to render a meaningful search over the whole of the claimed scope impossible. Consequently, the search has been carried out for those parts of the claims which appear to be clear, supported and disclosed, namely those parts relating to the use or the product containing the compounds of formula (I), (Ia), (II), (IIb), (I') (III), (IV), (V), (VI), (VII) (VIII) and the compounds of formula (IIa) e.g those prepared in examples 1 to 3 and mentioned in Tables 1 to 3

The applicant's attention is drawn to the fact that claims, or parts of claims, relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure.

| Box i | Observations where certain claims were found unsearchable (Continuation of item 1 of first sh et) |
|------------|--|
| This Inte | ernational Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons: |
| 1. X | Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely: |
| 2. X | Furthermore, claims 29 and 30 are directed to a method of treatment of the human/animal body, the search has not been carried out and based on the alleged effects of the compound/composition, since these claims are not clear according to art. 6 PCT. Claims Nos.: 1, 15-25, 29-34 because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically: |
| | see FURTHER INFORMATION sheet PCT/ISA/210 |
| | |
| 3. | Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a). |
| Box II | Observations where unity of invention is lacking (Continuation of item 2 of first sheet) |
| This Inter | rnational Searching Authority found multiple inventions in this international application, as follows: |
| | |
| | |
| | |
| | As all required additional search fees were timely paid by the applicant, this international Search Report covers all searchable claims. |
| 2. | As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee. |
| | As only some of the required additional search fees were timely paid by the applicant, this International Search Report |
| <u> </u> | covers only those claims for which fees were paid, specifically claims Nos.: |
| | |
| 4 n | No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is estricted to the invention first mentioned in the claims; it is covered by claims Nos.: |
| | |
| Remark o | n Protest The additional search fees were accompanied by the applicant's protest. |
| | No protest accompanied the payment of additional search fees. |

INTERNATIONAL SEARCH REPORT

nt lon on patent family members

International Application No /US 00/26797

| Patent docume cited in search re | 1 | Feblication | | Patent/amily: member(s) | ে শা শিখসাcation কলে date |
|-------------------------------------|-----|-------------|------|-------------------------|------------------------------|
| US 4680299 | A | 14-07-1987 | US | 5032597 A | 16-07-1991 |
| | * - | | AT | 58834 T | 15-12-1990 |
| | | • | ΑÚ | 583793 B2 | 11-05-1989 |
| | | • | | | |
| | | • | AU | 3085284 A | 24-01-1985 |
| | | • | CA | 1288436 A1 | 03-09-1991 |
| | | | DE | 3483704 D1 . | 17-01-1991 |
| | | | DK | 358784 A | 23-01-1985 |
| | | | EP | 0133244 A2 | 20-02-1985 |
| | | | ES | 534509 DO | 01-09-1985 |
| | | | ES | 8507498 A1 | 16-12-1985 |
| | | | FI | 842928 A ,B, | 23-01-1985 |
| | | | GR | 82234 A1 | 13-12-1984 |
| | | | | | |
| • | | | HK | 142395 A | 15-09-1995 |
| | | | HU | 35248 A2 | 28-06-1985 |
| | | | ΙE | 57627 B1 | 10-02-1993 |
| | | | IL | 72471 A | 15-11-1988 |
| | | | LV | 5701 A3 | 20-02-1995 |
| | | | MX | 158610 A | 20-02-1989 |
| | | | NO - | 842969 A ,B, | 23-01-1985 |
| | | | NZ | 208966 A | 05-12-1986 |
| | | | PT. | 78960 A ,B | 01-08-1984 |
| | | | SĠ | 128393 G | 25-02-1994 |
| | | | SU | | 30-04-1988 |
| | | | SU | 1393314 A3 | |
| | | | | 1452480 A3 | 15-01-1989 |
| EP 0601191 | Α | 15-06-1994 | DE | 69319859 D1 | 27-08-1998 |
| | | | DE Ì | 69319859 T2 | 17-12-1998 |
| | | | DK | 601191 T3 | 26-04-1999 |
| | | | ΕP | 0601191 A1 | 15-06-1994 |
| | | | JP | 2928385 B2 | 03-08-1999 |
| | | | ÜS | 5371225 A | 06-12-1994 |
| | | | AT | 168679 T | 15-08-1998 |
| | | | CA | | 11-11-1993 |
| | | | | 2111955 A1 | |
| | | | ES | 2120498 T3 | 01-11-1998 |
| | | | WO | 9322286 A1 | 11-11-1993 |
| JP 10231289 | A | 02-09-1998 | NONE | | |
| EP 0721942 | A | 17-07-1996 | AU | 7707094 A | 18-04-1995 |
| | • | | EP | 0721942 A1 | 17-07-1996 |
| | | | US | 5646283 A | 08-07-1997 |
| | | | | ·- - - • • • | |
| | | | CA | 2150235 A1 | 06-04-1995 |